Enclosure II

HRS COVER SHEET

FACILITY NAME: Technical Info Systems - Div. of American Hoechst

EPA I.D. #: NJD - 056705429

ORIGINAL PRIORITY: Medium

REVIEWED BY: J. Gaul 11/3/87

REASSESSED PRIORITY: NFRAP

REVIEWED BY: Phil Guarnaccia EPA 2/17/89

COMMENTS:

PREPARER: _____ DATE: _____

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HRS

	S	S^2
Groundwater Route Score (S_{gw})	2.53	6.45
Surface Water Route Score (S_{sw})	1.20	1.43
Air Route Score (S_a)	—	—
$S_{gw}^2 + S_{sw}^2 + S_a^2$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		1.62

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	4.29	18.47
Surface Water Route Score (S_{sw})	2.87	8.24 ~~8.72~~
Air Route Score (S_a)	—	—
$S_{gw}^2 + S_{sw}^2 + S_a^2$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		2.98

WORKSHEET FOR COMPUTING S_M

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	—	45	—
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 3	2	2	6	2
Net Precipitation	0 1 2 3	1	1	3	1
Permeability of the Unsaturated Zone	0 1 2 3	1	2	3	2
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			8	15	8
3 Containment	0 1 2 3	1	1	3	1
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	12	18	12
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8	2
Total Waste Characteristics Score			14	26	14
5 Targets					
Ground Water Use	0 1 2 3	3	3	9	6
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	10	40	16
Total Targets Score			13	49	22
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				57,330	
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	2.53		4.30

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	—	45	—
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					
Facility Slope and Intervening Terrain	0 1 2 3	1	1	3	1
1-yr. 24-hr. Rainfall	0 1 2 3	1	1	3	1
Distance to Nearest Surface Water	0 1 2 3	2	2	6	6
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			11	15	11
3 Containment	0 1 2 3	1	1	3	1
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	12	18	12
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8	2
Total Waste Characteristics Score			14	26	14
5 Targets					
Surface Water Use	0 1 2 3	3	3	9	6
Distance to a Sensitive Environment	0 1 2 3	2	2	6	6
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	—	40	—
Total Targets Score			5	55	12
6 If line 1 is 45, multiply 1 x 4 x 5 / If line 1 is 0, multiply 2 x 3 x 4 x 5				64,350	
7 Divide line 6 by 64,350 and multiply by 100		S_{SW} =	1.20		

Air Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	PRO
1 Observed Release	0 45	1		45	
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S_a = 0. Enter on line 5 If line 1 is 45, then proceed to line 2					
2 Waste Characteristics					
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3				35,100	
5 Divide line 4 by 35,100 and multiply by 100		S_a =			